



CODAN

Replacement of the control cable backshell on antenna tuners

Introduction

This service bulletin affects users of the 9323/9360/9390/9780 Transceivers using a 9103 Automatic Antenna Tuner or 9350 Automatic Tuning Whip Antenna produced since December 1999.

The backshell of the control cable connector does not enable the thumb screws to be tightened. This causes a loose connection between the transceiver and the antenna tuner. The backshell (Codan part number 60-91638-001) of the connector must be replaced.

Symptom

The 9103 Automatic Antenna Tuner or the 9350 Automatic Tuning Whip Antenna may not operate due to the loose connection.

Action

The faulty backshell must be replaced with a new backshell.

Identifying the connector

To identify the faulty connector:

If you have a backshell as shown in Figure 1, it is recommended that you replace it with a new backshell (see Figure 2). The new backshell has the same part number as the old backshell (Codan part number 60-91638-001). Continue with the following procedure.

If your antenna tuner has a control cable connector with a backshell as shown in Figure 2, the backshell is correct and no further action is required.

Removing the old connector backshell

To remove the old connector backshell:

- Disconnect the control cable from the **Antenna Control** socket on the transceiver.
- Use a small screw driver to pry open the four clips (one on each corner of the backshell) and remove the top and bottom of the connector backshell (see Figure 1).

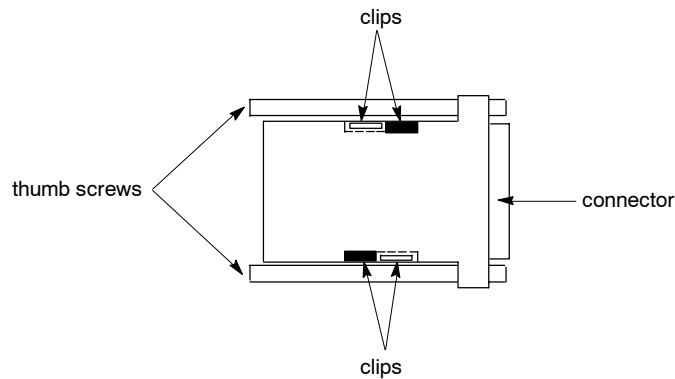


Figure 1: The old backshell

- Remove the top of the cable clamp by pushing it to one side.
- Remove the control cable from the clamp.

Replacing the connector backshell

To replace the connector backshell:

- Slot the connector into the groove at the front of the new backshell (see Figure 2).

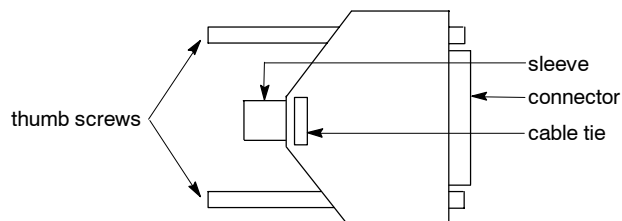



Figure 2: The new backshell

- Place the cable in the cable entry point at the rear of the new backshell.
- Insert a cable tie through the two square holes in the backshell at either side of the cable and secure the cable tie around the sleeve of the cable.
-  Use a cable tie instead of the cable clamp provided with the backshell.
- Place the two thumb screws in the holes on either side of the backshell.

- Gently close the backshell, ensuring that the connector slots into the backshell groove before clicking the backshell shut.



The connector will not locate in sockets unless it is properly secured in the backshell.

- Connect the control cable plug from the tuner to the **Antenna Control** socket at the rear of the transceiver and tighten the thumb screws.



Ensure there is no or little movement in the connector.